MARIA E. JABON
mjabon@stanford.edu
P.O. Box 12003 • Stanford, CA 94309 • (650) 498-0554

OBJECTIVE: Seeking a position in software engineering

SKILLS: Python, Javascript, CSS / HTML, JSP, Java, PHP, SQL, MATLAB, C++, C, Visual BASIC, Verilog, LISP, Assembly

EXPERIENCE:

April-present **CS 210 FACEBOOK GROUP,** *Team Member* *Stanford, CA*
- Working to design a Facebook application that allows corporations to create and manage secure Facebook networks based upon their Active Directory/LDAP files.
- Software used: *FBML, JavaScript, Java, SQL, CSS, HTML*

2007-present **STANFORD UNIVERSITY NOLAN LAB,** *Research Assistant* *Stanford, CA*
- Responsible for developing dynamic web applications used for the analysis of flow cytometry data.
- Optimize web site performance based on response time and usability
- Example projects: Dynamic drag and drop lists, javascript drawing tools, improved user interfaces
- Software used: *JavaScript, Java, AJAX, CSS, HTML*

2007-present **STANFORD VIRTUAL HUMAN INTERACTION LAB,** *Lead Systems Engineer* *Stanford, CA*
- Responsible for machine learning and computer vision projects, including the design and implementation of virtual environments, post processing of data, and creation of machine learning algorithms.
- Manage undergraduates in the lab, providing training and hardware and software debugging support
- Maintain all lab hardware
- Demo and communicate research results to media and other researchers in the field.
- Software and hardware used: *Python, MATLAB, Vizard, WEKA, Phantom Omni Haptic Devices, NVIS Virtual Helmets, WorldViz PPT, Logitech Webcams, SSTIM Driving Simulator*

2006-2006 **JET PROPULSION LABORATORY,** *Advanced Robotics Control Group Summer Intern* *Pasadena, CA*
- Built and tested low-power amplification and filtering circuits to collect EMG signals
- Designed A/D conversion and data collection programs
- Software and hardware used: *C++, LabView, MATLAB, soldering tools, oscilloscopes*

2005-2005 **STANFORD UNIVERSITY MAGNETIC IMAGING GROUP,** *Research Assistant* *Stanford, CA*
- Helped develop MATLAB based programs to calculate intensity falloff in MRI images
- Software and hardware used: *MATLAB, MRI machine*

2004-2004 **MICRON TECHNOLOGIES,** *CMOS Imager R&D Group Summer Intern* *Stanford, CA*
- Designed, tested, and implemented a MATLAB-based testbench for newest chip
- Characterized pixel designs and verified outputs
- Software and hardware used: *MATLAB, probe machines, thermochucks, oscilloscopes*

EDUCATION:

2003-present **STANFORD UNIVERSITY** *Stanford, CA*
- M.S. Electrical Engineering, with a concentration in Operation Systems. GPA: 3.82/4.00
- B.S. Electrical Engineering degree with a concentration in Computer Software. GPA: 3.69/4.00

RELEVANT COURSEWORK:
- High Performance Website Design, Advanced Databases, Advanced Operating Systems, Corporate Funded Software Project, Embedded System Design

PUBLICATIONS:
- Bailenson, J.N., Pontikakis, E.D., Maus, I.B., Gross, J.J., Jabon, M.E. Hutcherson, C.A., Nass, C., & John, O. (2007, in press) Real-Time Classification of Evoked Emotions using Facial Feature Tracking and Physiological Responses. International Journal of Human Machine Studies.
- Ahn, S.J., Jabon, M.E., & Bailenson, J.N. (2008). Facial expressions as predictors of online buying intention. Proceedings of the 58th Annual International Communication Association Conference. May 22-26, Montreal Canada.

ADDITIONAL INFORMATION:

Outdoor enthusiast
Won National Science Olympiad Mission Possible Event (2002) and placed in many others